

Justification for locating the project in forest area to be submitted by user Agency and countersigned by DCF

JUSTIFICATION FOR PROJECT

In consideration of the requirements of Environmental Protection Act Indian Oil Corporation Limited (IOCL), a Government of India Undertaking is engaged in petroleum Refining, Marketing, transportation of crude oil and petroleum products through underground cross-country pipelines. IOCL operates a network of 15113 Km pipeline of crude oil and petroleum product and gas pipelines. Cross country pipelines are globally recognized as the safest, cost effective, energy efficient and environment friendly mode of transportation.

Indian Oil Corporation Limited (Pipelines Division) intends to lay a new Mundra Panipat Crude Oil Pipeline of 1033 km in Gujarat (laying of 277 km involved in Gujarat out of which 191 Km Mainline laying is involved in Churwa to Bhabhar IPS-1 (Intermediate Pumping Station-) (Ch. 74-265 km)), Rajasthan (587 km) and Haryana (169 km).

Methodology of selection of pipeline route


Relevant topographic maps along the various alternative pipeline routes were identified. After conducting a detailed desktop study of the alternative routes on the topographic sheet, the feasible routes were identified. This was subsequently supplemented with route reconnaissance data collection along the feasible routes for arriving at the optimum route.

Factors considered

While identifying the various alternatives for selection of the optimum route, the following were considered:

- Compliance with environmental regulations
- Safety of people and property
- Shortest possible pipeline length
- Favorable ground profile for pipeline hydraulics
- Accessibility to pipeline route during construction maintenance and operation
- Location of pipeline facilities and access thereto
- Avoidance of mining protected and reserved forest archaeological and other sensitive areas
- Avoiding reserve forest and wild life sanctuaries
- Passage through forest area should be minimum otherwise it should be avoided as far as possible.
- Avoidance of unstable ground features
- Minimizing road, rail, rivers and flood prone areas
- Avoidance of areas reserved for planned future development
- Flexibility for future expansion

Based on the above, detailed route surveys have been carried out to finalise the exact corridor for laying the pipeline by using bare minimum forest land.


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